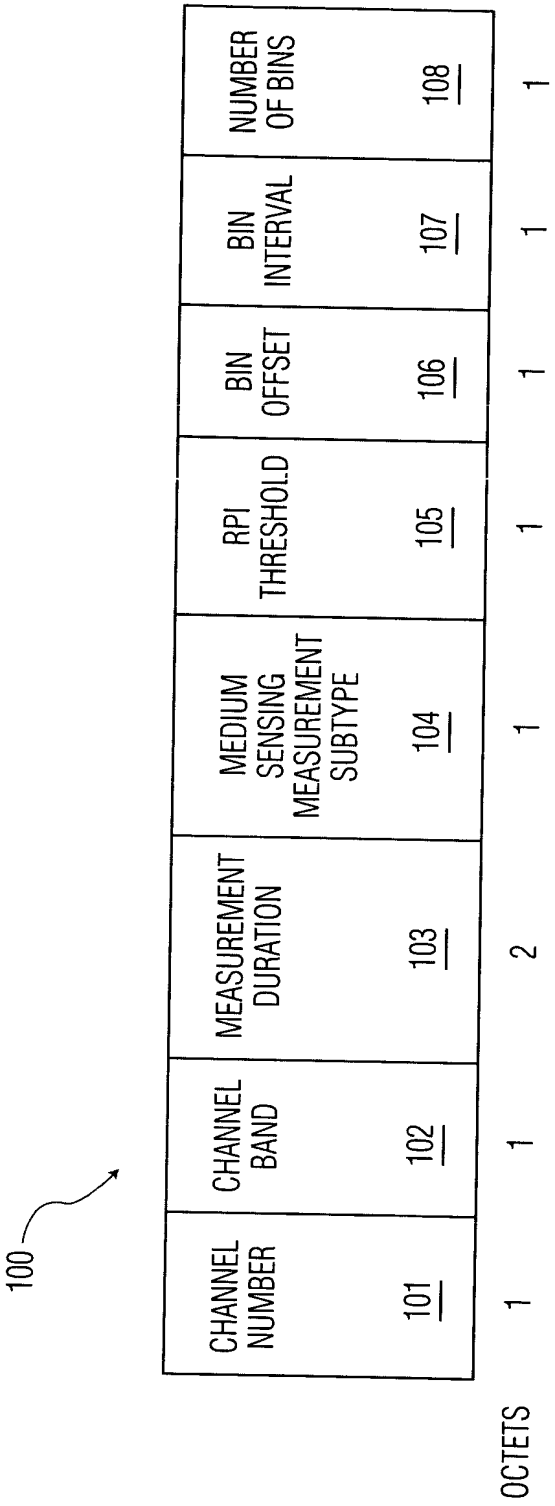
100
CHANNEL NUMBER
101
CHANNEL BAND
102
MEASUREMENT DURATION
103
MEDIUM SENSING MEASUREMENT SUBTYPE
104
RPI THRESHOLD
105
BIN OFFSET
106
BIN INTERVAL
107
NUMBER OF BINS
108
OCTETS
1
1
2
1
1
1
1
1

FIG. 1

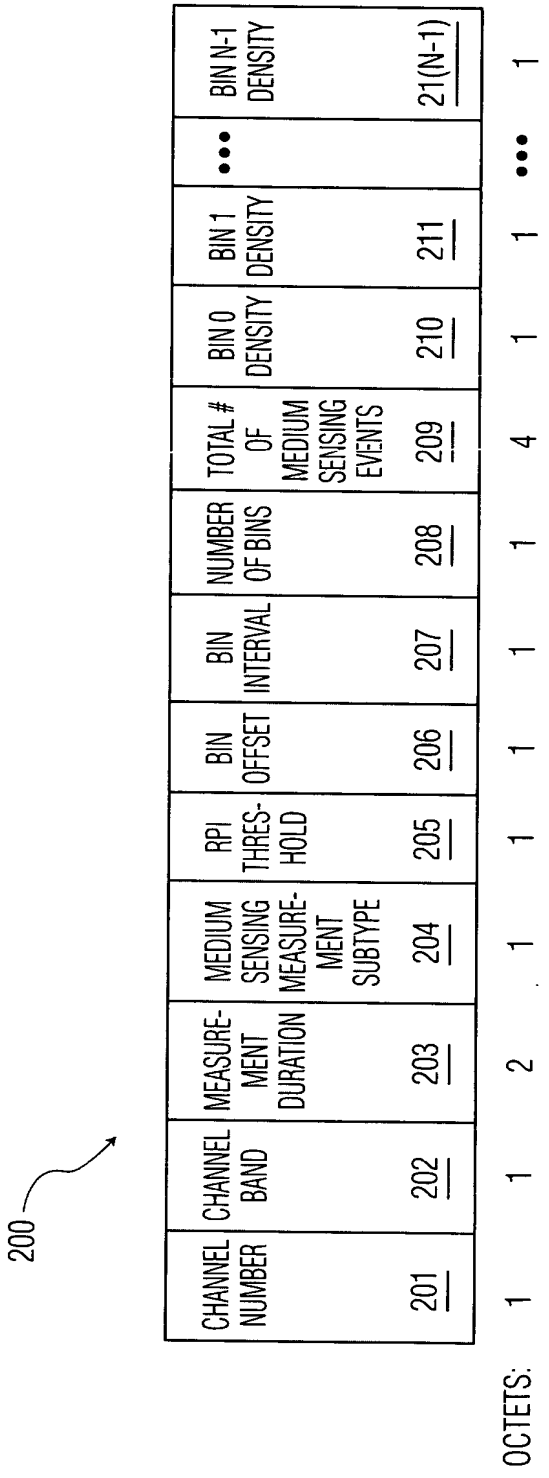
200
CHANNEL NUMBER
CHANNEL BAND
MEASURE-MENT DURATION
MEDIUM SENSING MEASURE-MENT SUBTYPE
RPI THRES-HOLD
BIN OFFSET
BIN INTERVAL
NUMBER OF BINS
TOTAL # OF MEDIUM SENSING EVENTS
BIN 0 DENSITY
BIN 1 DENSITY
...
BIN N-1 DENSITY
201
202
203
204
205
206
207
208
209
210
211
21(N-1)
OCTETS: 1 1 2 1 1 1 1 1 4 1 1 ... 1

FIG. 2

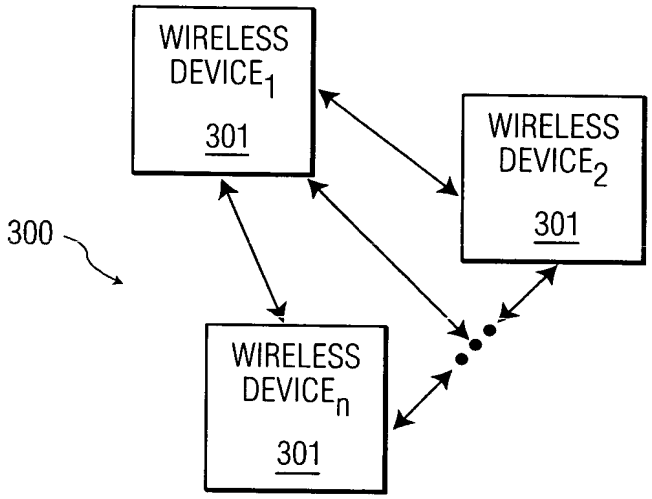
WIRELESS DEVICE$_1$
301
WIRELESS DEVICE$_2$
301
300
WIRELESS DEVICE$_n$
301

FIG. 3

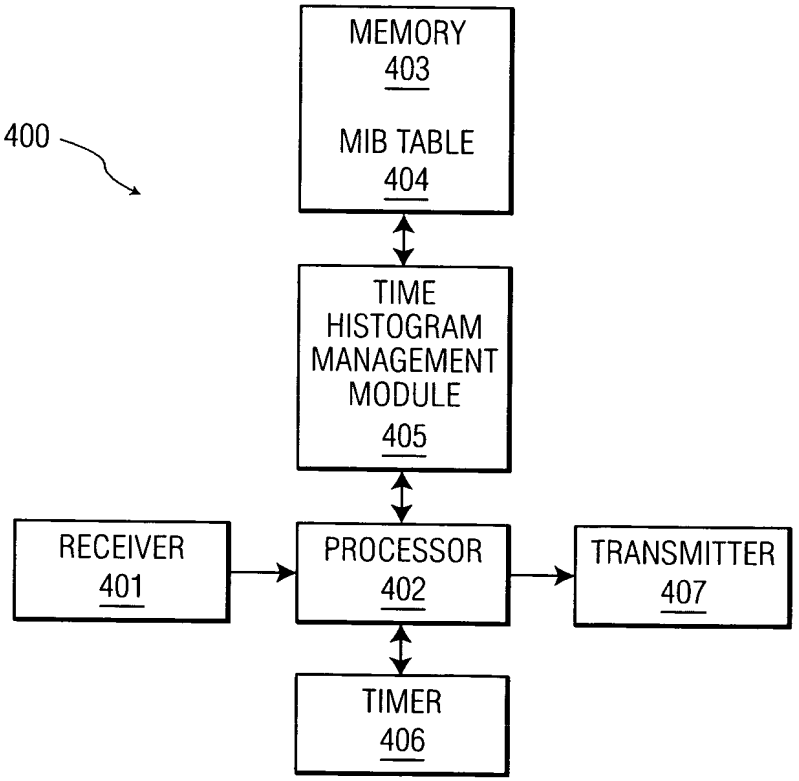
MEMORY
403
MIB TABLE
404
400
TIME HISTOGRAM MANAGEMENT MODULE
405
RECEIVER
401
PROCESSOR
402
TRANSMITTER
407
TIMER
406

FIG. 4

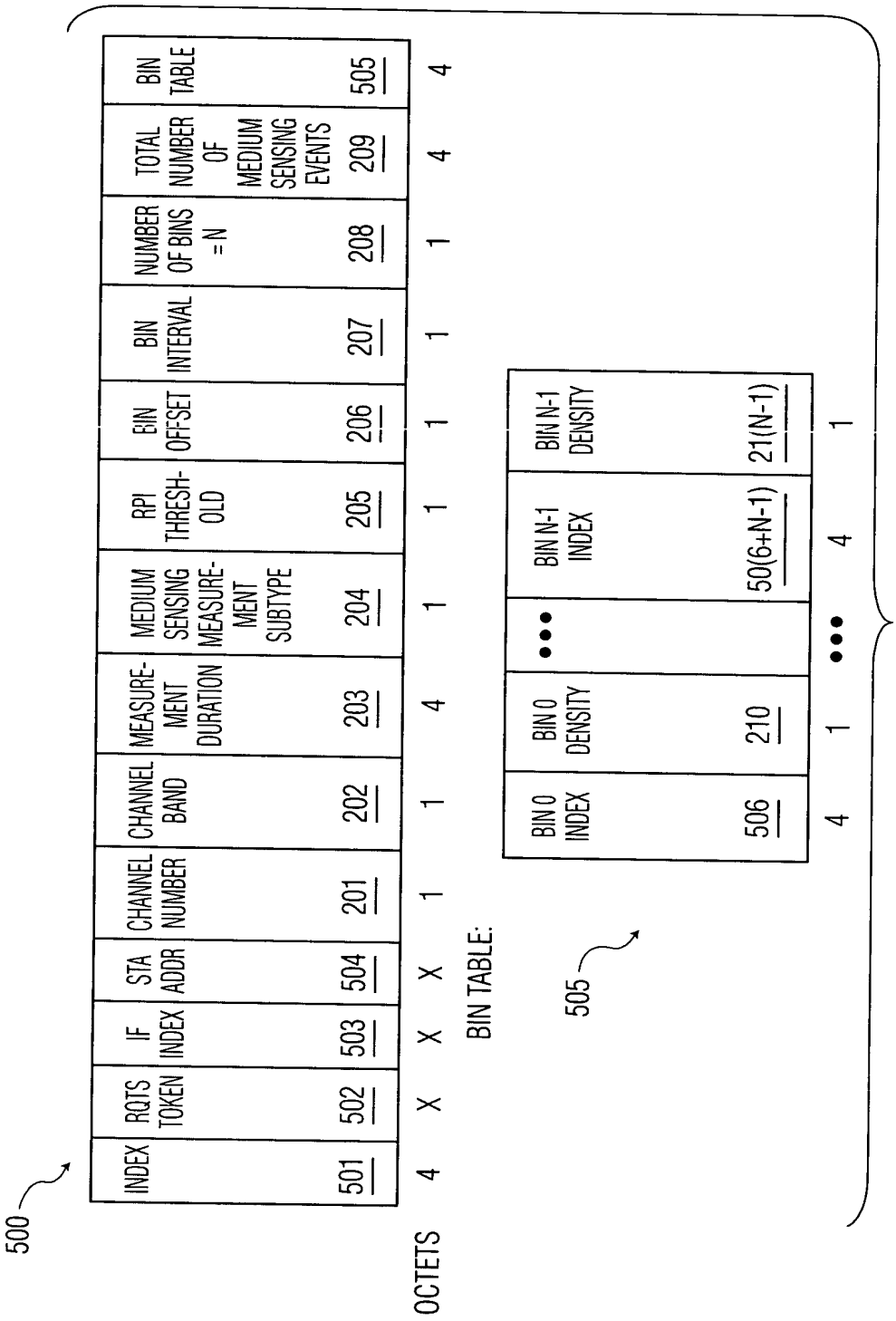
500
INDEX
RQTS TOKEN
IF INDEX
STA ADDR
CHANNEL NUMBER
CHANNEL BAND
MEASURE-MENT DURATION
MEDIUM SENSING MEASURE-MENT SUBTYPE
RPI THRESH-OLD
BIN OFFSET
BIN INTERVAL
NUMBER OF BINS =N
TOTAL NUMBER OF MEDIUM SENSING EVENTS
BIN TABLE
501
502
503
504
201
202
203
204
205
206
207
208
209
505
OCTETS
4
X
X
X
1
1
4
1
1
1
1
1
4
4
BIN TABLE:
505
BIN 0 INDEX
BIN 0 DENSITY
BIN N-1 INDEX
BIN N-1 DENSITY
506
210
50(6+N-1)
21(N-1)
4
1
4
1

FIG. 5

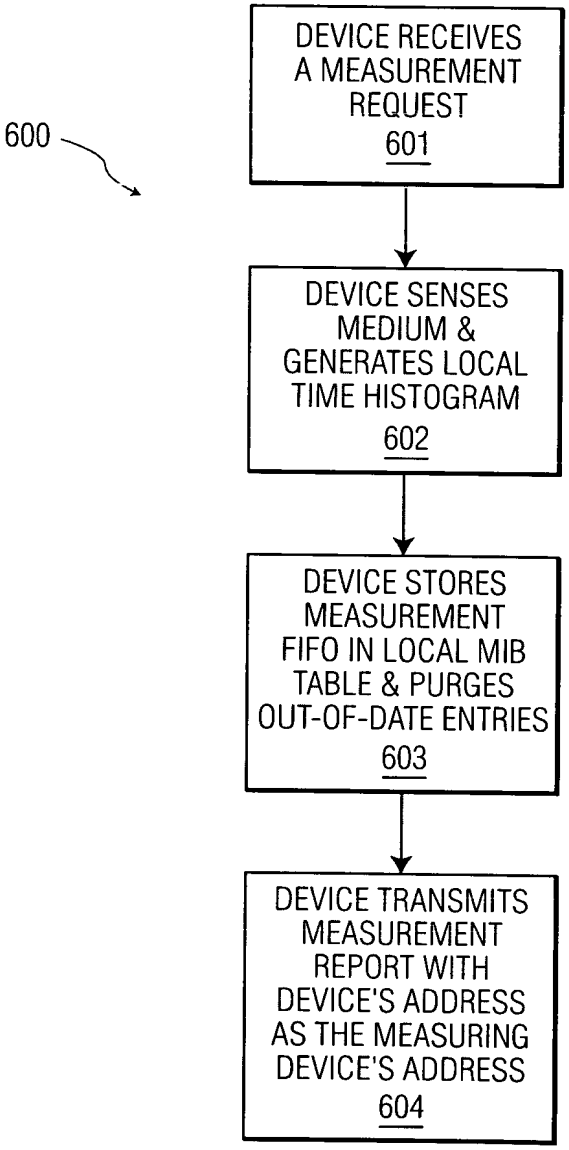
600
DEVICE RECEIVES A MEASUREMENT REQUEST
601
DEVICE SENSES MEDIUM & GENERATES LOCAL TIME HISTOGRAM
602
DEVICE STORES MEASUREMENT FIFO IN LOCAL MIB TABLE & PURGES OUT-OF-DATE ENTRIES
603
DEVICE TRANSMITS MEASUREMENT REPORT WITH DEVICE'S ADDRESS AS THE MEASURING DEVICE'S ADDRESS
604

FIG. 6

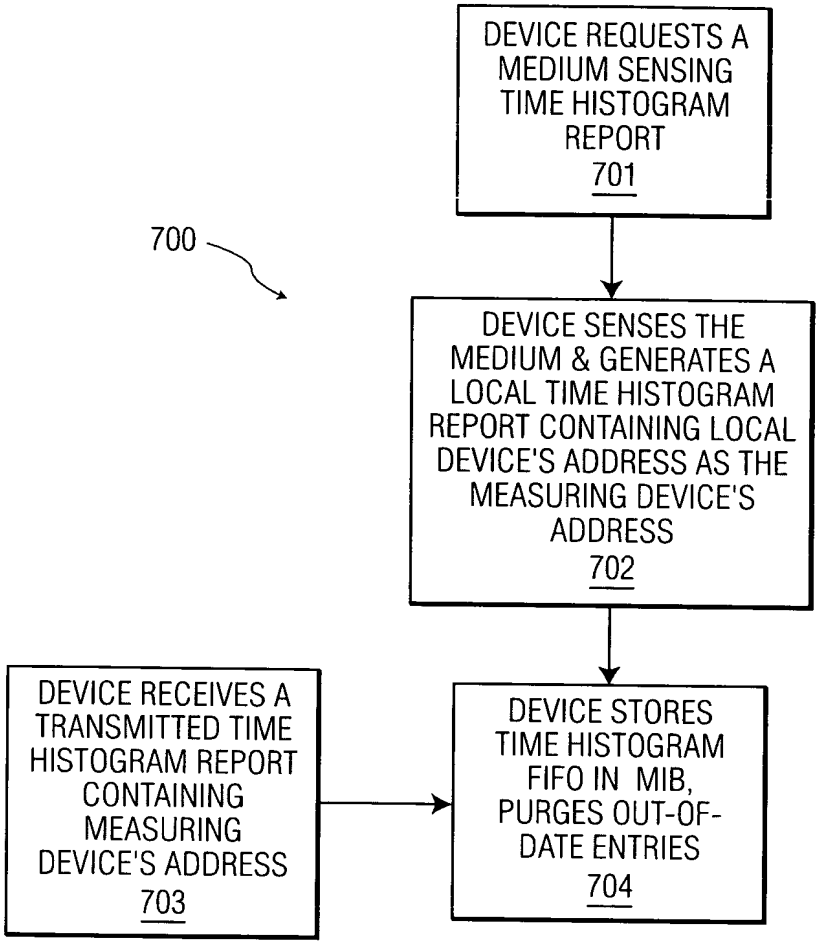
700
DEVICE REQUESTS A MEDIUM SENSING TIME HISTOGRAM REPORT
701
DEVICE SENSES THE MEDIUM & GENERATES A LOCAL TIME HISTOGRAM REPORT CONTAINING LOCAL DEVICE'S ADDRESS AS THE MEASURING DEVICE'S ADDRESS
702
DEVICE RECEIVES A TRANSMITTED TIME HISTOGRAM REPORT CONTAINING MEASURING DEVICE'S ADDRESS
703
DEVICE STORES TIME HISTOGRAM FIFO IN MIB, PURGES OUT-OF-DATE ENTRIES
704

FIG. 7